

REMARKS

Claims 1, 11, 13 - 15, 18 - 22, 24 - 25, and 27 - 43 are pending with claims 2, 4, 26, and 44 canceled by this paper and claims 19 - 21 withdrawn.

Prior Art Rejections

Claim 1 now includes the substantive features of claims 2 and 4. Consequently, Applicants respectfully submit that the claim rejections under 35 U.S.C §102 at paragraphs 5 - 11 of the Action should be withdrawn. However, Applicants respectfully submit that this amendment should not be construed as acquiescence to any ground of rejection.

Claims 1 - 2, 4, 11, 18, 20, 24 - 28, 31 - 34 and 44 stand rejected under 35 U.S.C §102(b) as allegedly anticipated by, or in the alternative, under 35 U.S.C §103(a) as allegedly obvious over the Van Oort article. Applicants respectfully traverse these rejections.

The Van Oort article relates to an adiabatic calorimetry study of dialkylammonium chlorides measuring heat capacities and entropy changes. Van Oort fails to teach or suggest a composition for storing heat comprising at least one heat storage material and at least one auxiliary for aiding heat transmission. Van Oort is not related to the problems solved by the present invention, namely a heat storage material that can help avoid a thermal peak or deficit in an industrial process. In such an application, it is desirable to have an auxiliary facilitate the transfer of heat to and from the heat storage material. The study of Van Oort fails to teach or suggest that a dialkylammonium salt combined with such an auxiliary can advantageously be used in a composition for storing heat.

What is more, the present invention has significant and unexpected advantages. Particularly, the present invention can provide a heat storage material that does not have the disadvantages of solid/liquid phase materials which require, e.g., encapsulation. In marked contrast, the solid/solid phase transition material of the present invention overcomes these disadvantages. Thus, these advantages are significant and unexpected over Van Oort. Consequently, Applicants respectfully submit that the present invention is patentable over Van

Oort.

Claim Amendments

Applicants have also amended claims 1, 20 and 21 to define Xⁿ as including organic ions, and amended other claims to conform or clarify terminology and correct dependency. None of these amendments narrow the scope of the claims.

In view of the above remarks, favorable reconsideration is courteously requested. If there are any remaining issues which can be expedited by a telephone conference, the Examiner is courteously invited to telephone counsel at the number indicated below.

The Commissioner is hereby authorized to charge any fees associated with this response or credit any overpayment to Deposit Account No. 13-3402.

Respectfully submitted,

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